

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number  
**WO 2005/005630 A2**

(51) International Patent Classification<sup>7</sup>: C12N 15/00

(21) International Application Number:  
PCT/EP2004/007606

(22) International Filing Date: 8 July 2004 (08.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03077138.0 8 July 2003 (08.07.2003) EP

(71) Applicant (for all designated States except US): UMC  
UTRECHT HOLDING B.V. [NL/NL]; Jenalaan 18a,  
NL-3584 CK Utrecht (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VAN WAMEL,  
Willem, Jan, Bastiaan [NL/NL]; Nolenslaan 54, NL-3515  
VK Utrecht (NL). ROOIJAKKERS, Suzan, Huberdina,  
Maria [NL/NL]; Lange nieuwstraat 72, NL-3512 PL  
Utrecht (NL). VAN KESSEL, Cornelis, Petrus, Maria  
[NL/NL]; Kampweg 17, NL-3981 EX Bunnik (NL). VAN  
STRIJP, Johannes, Antonius, Gerardus; Singel 37,  
NL-3984 NV Odijk (NL).

(74) Agent: VAN SOMEREN, Petronella, Francisca, Hen-  
drika, Maria; Arnold & Siedsma, Sweelinckplein 1,  
NL-2517 GK The Hague (NL).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

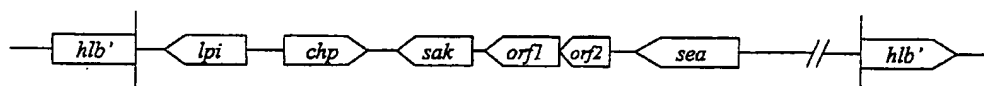
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: THERAPEUTIC USE OF LPI, A STAPHYLOCOCCAL LECTIN PATHWAY INHIBITOR IN INFLAMMATORY DIS-  
EASES



(57) Abstract: The invention relates to nucleic acid molecules encoding (poly)peptides having LPI (Lectin Pathway Inhibitor) ac-  
tivity, to recombinant vectors harboring such molecules, and the host cells carrying the vectors. The invention further relates to  
methods for preparing recombinant (poly)peptides having LPI activity and to the use of such recombinant (poly)peptides having LPI  
activity for diagnosis, prophylaxis and treatment, such as the treatment of inflammation reactions. In addition the invention provides  
therapeutic and diagnostic compositions comprising as the active ingredient the (poly)peptide having LPI activity.